

FIG. 1

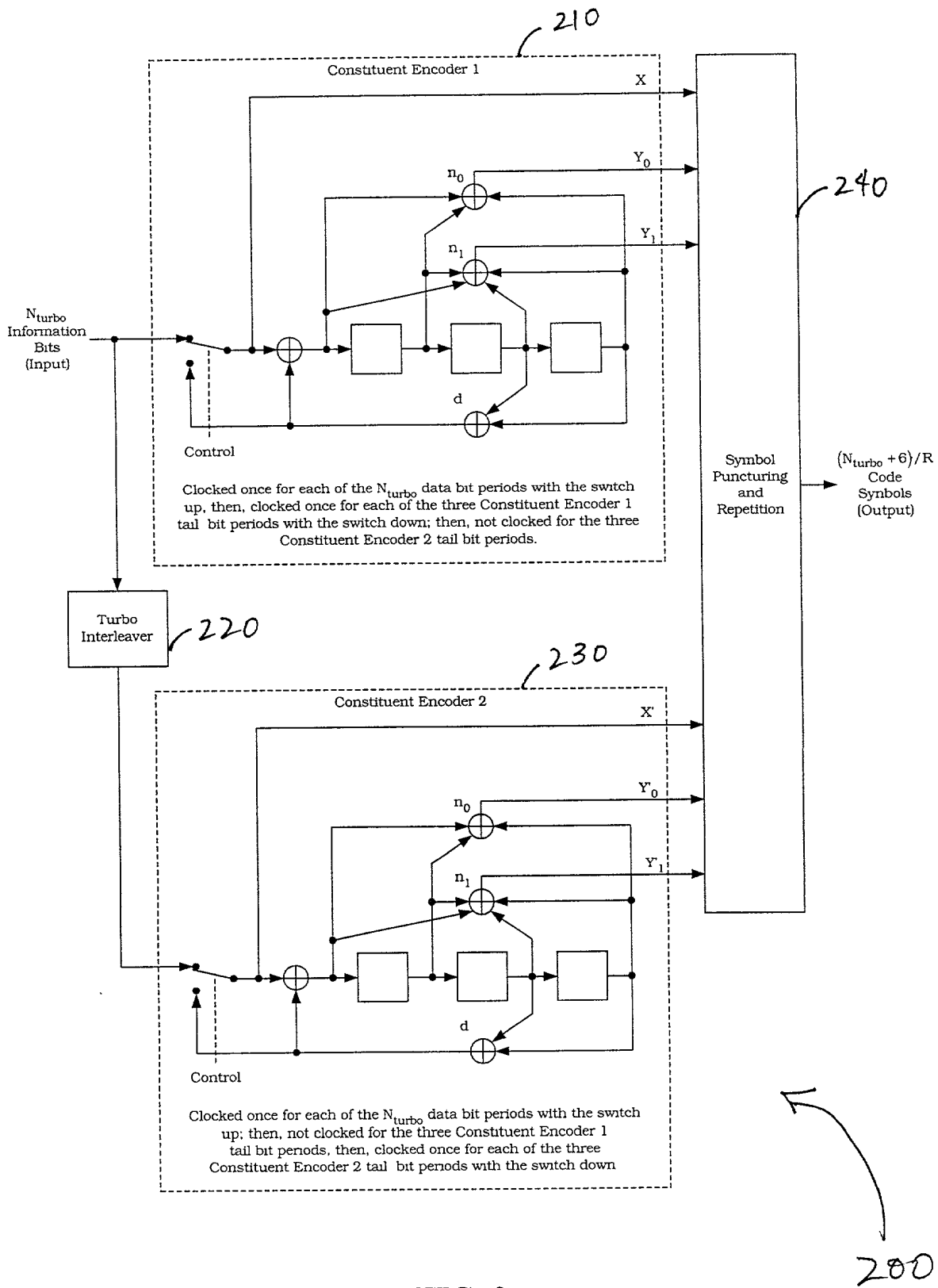


FIG. 2

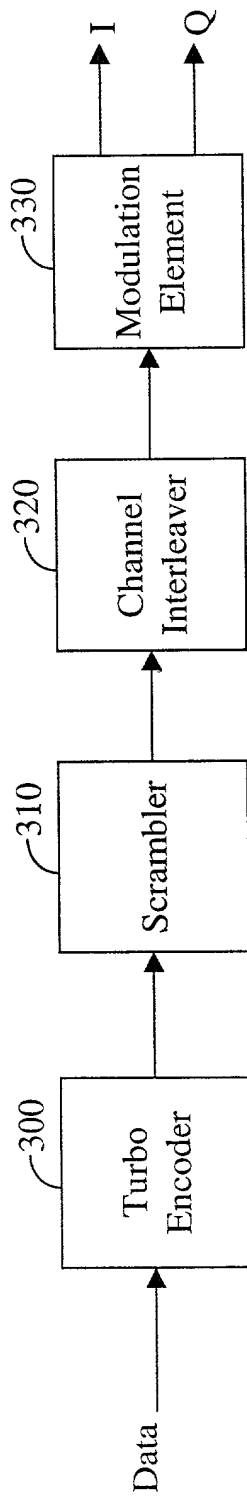


FIG. 3

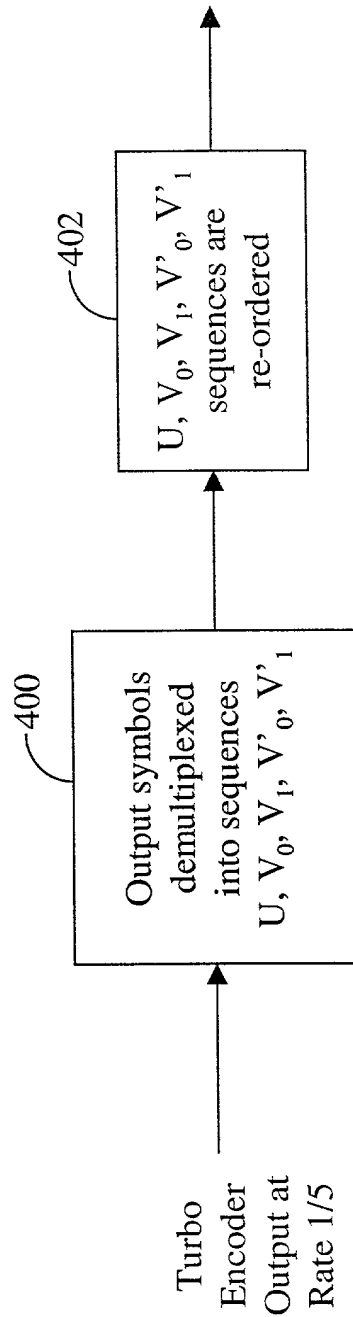


FIG. 4

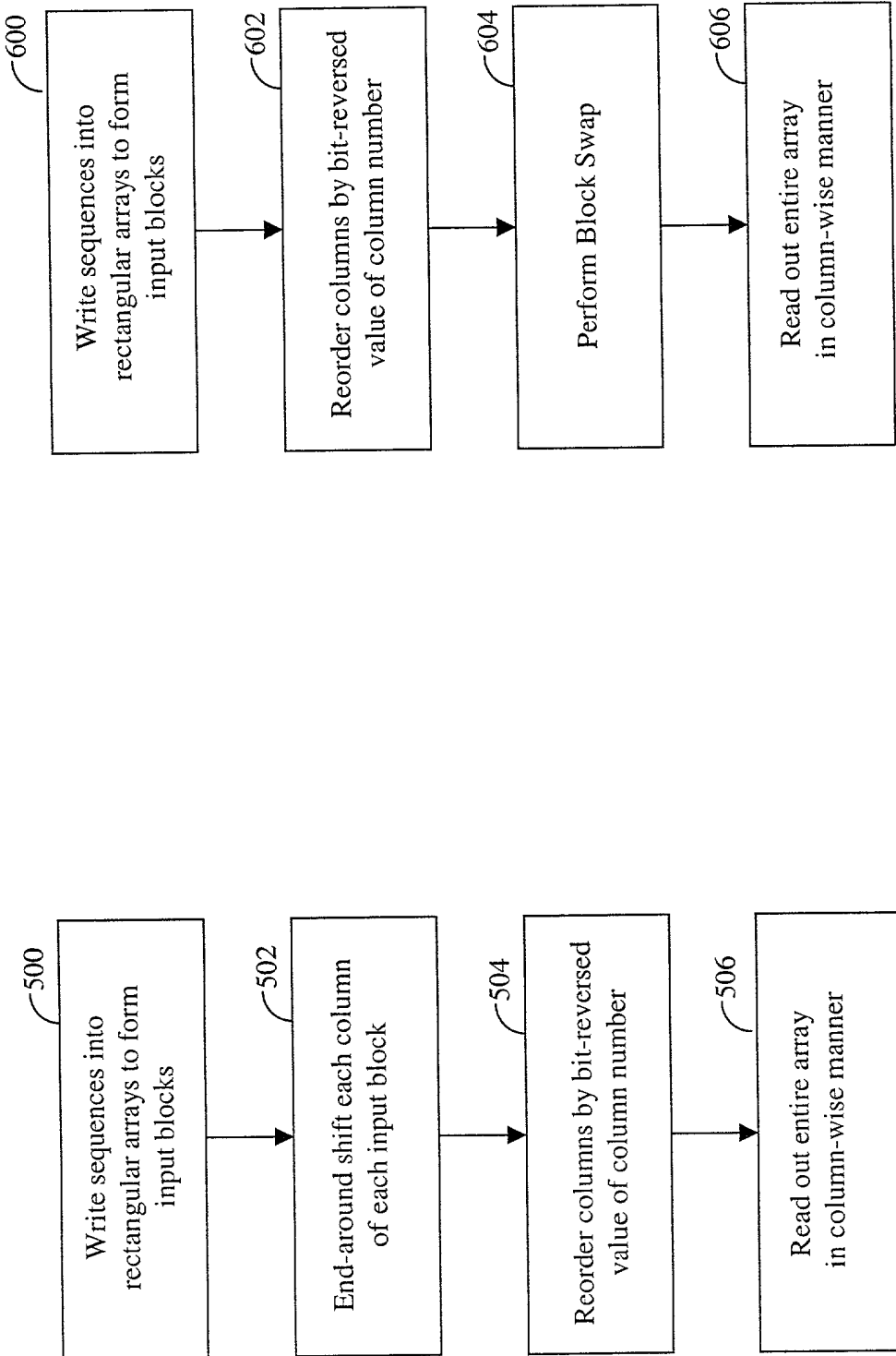


FIG. 5

FIG. 6

FIG. 7A: Block swap pattern for 8-PSK

| U block | | | | $V_0V'_0$ block | | | | | | | |
|---------|----|---|----|-----------------|----|----|----|----|----|--|--|
| | 3' | | 4' | 1' | 2' | 5 | 6 | 7 | 8 | | |
| 1 | | 2 | | | | 5' | | 7' | | | |
| 3 | | 4 | | | | | 6' | | 8' | | |

FIG. 7A: Block swap pattern for 8-PSK

| U block | | | | $V_0V'_0$ block | | | | | | | |
|---------|----|--|--|-----------------|---|----|----|--|----|--|--|
| | 3' | | | 1' | | | | | | | |
| 1 | | | | | 4 | | | | 6' | | |
| | 2 | | | | | 4' | 5 | | | | |
| 3 | | | | 2' | | | 5' | | | | |

FIG. 7B: Block swap pattern for 16-QAM

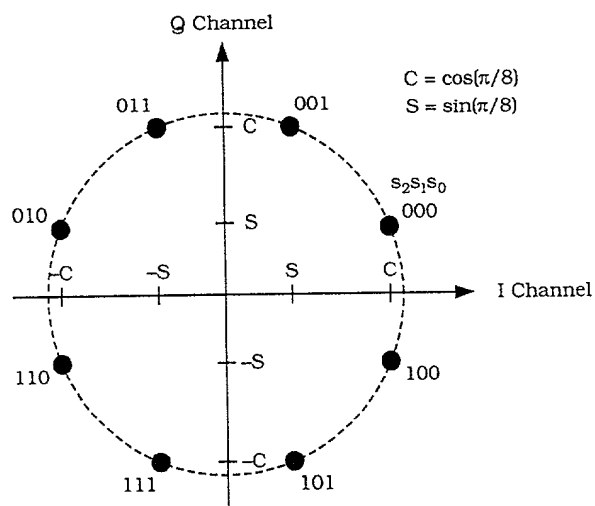


FIG. 8

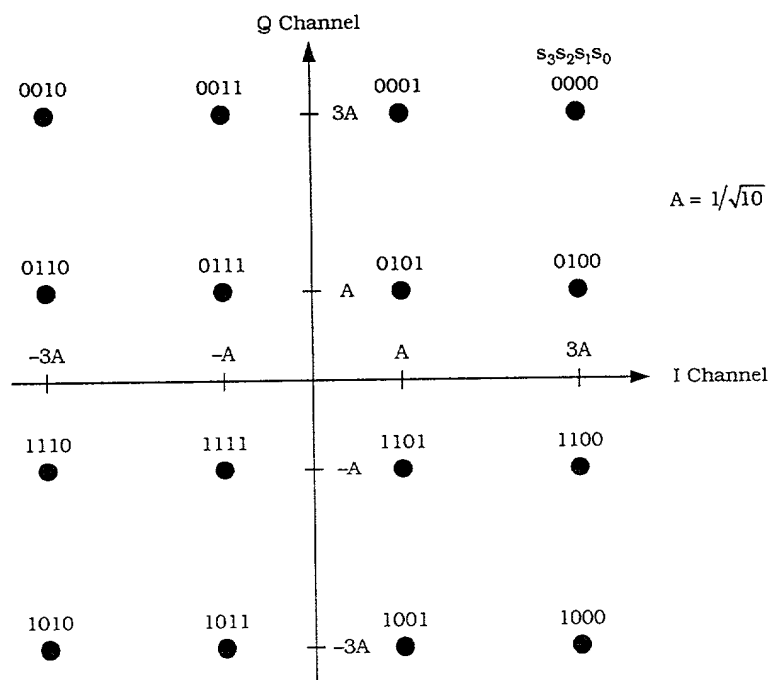


FIG. 9